Table A.2.22 Main Yard AOC 8 Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations greater than Delineation Criteria
S0812/ MW128 7/30/02 Full RFI AOC 8	16	3	Fill: 0-13: (dark gray LNAPL film at 10-13) Peat: 13-14 Clay: 14-15	57 (4-4.5) 55 (12-12.5)	O, U, F	S0812B2 (2.5-3)	V, S, M	None
					O, U, F	S0812 (2-4)	Phys. Char.	
					O, S, F	S0812C1 (4-4.5)	V, S, M, SPLP metals	SPLP Iron: 6.74 mg/L
					O, S, N	S0812H1 (14-14.5)	V, S, M	Iron: 24700 mg/kg
					Water	MW128 1/30/03	V, S, M, water quality	None
SB0165 12/12/95 1st Soils AOC 8	8	6	Fill: 0-8 (black staining, petroleum odor at 0-4)	429 (4 to 6)	O, U, F	SB0165SC (4-6)	GC fingerprint	Evaporated motor gasoline and degraded crude or gas oil
A8TPZ1 2/8/99 1Q99-Attach 1 AOC 8	12	2	Fill: 0-12: (fly ash, strong hydrocarbon odor, black staining at 3; black strong hydrocarbon odor; LNAPL bleeding from core at 6.5-8; black stained throughout core, strong hydrocarbon odor at 10.7-12)	804 (3-4)	None			LNAPL not detected in TPZ
HP0100 9/5/97 1st Groundwater AOC 8	14	5	See SB0165	85		HP0100	V, S, M	**Benzene: 11000 ug/l** Benzenethiol: 2000 ug/L Xylenes: 420 ug/L 2,4-Dimethylphenol: 2000 ug/L 2-Methylphenol: 1200 ug/L m&p Cresols: 240 ug/L Arsenic: 10.5 ug/L Chromium: 185 ug/L Lead: 25.7 ug/L Mercury: 3.24 ug/L Vanadium: 625 ug/L

NOTES:

Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)

Shaded rows indicate samples collected from nearby SWMUs/AOCs

ppm_v = parts per million (volume basis)

All depths referenced on this summary table are in feet below the ground surface.

PID = Photoionization detector.

ID = Identifier.

mg/kg = milligrams per kilogram (equivalent to parts per million).

µg/L = micrograms per liter (equivalent to parts per million).

[1]Depth to water as observed during borehole advancement.

[2]"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.

[3]P – property boundary, O – on-site, U – unsaturated, S – saturated, F – fill, N – native. "None" indicates that no sample was collected.

[4]V – VOCs, S – SVOCs, M – metals, Pb – lead, TOL – total organic lead, TEL – tetraethyl lead, TPH – Total Petroleum Hydrocarbons; SPLP– Synthetic Precipitation Leaching Procedure; -Phys. Char.--physical characteristics.